

IN THE SPECIFICATION

Please replace paragraph 0017 with the following amended paragraph:

[0017] FIG. 9 ~~illustrates two tables~~ is a table with distance measurements representing contours of image frames prior to temporal smoothing in accordance with ~~one~~ an embodiment of the present invention.

Please add the following paragraph after paragraph 0017:

FIG. 10 is a table with distance measurements representing contours of image frames after temporal smoothing in accordance with an embodiment of the present invention.

Please replace paragraph 0044 with the following amended paragraph:

[0044] FIG. 9 ~~illustrates~~ and FIG. 10 illustrate two tables with distance measurements representing contours of image frames 150. ~~One table~~ The table shown in FIG. 9 comprises the distance measurements for the processed image frames 150 (after step 180), and ~~one table~~ the table shown in FIG. 10 comprises the averaged distance measurements after temporally smoothing the contours (after step 184). Image frame 1 is adjacent to image frame 2, image frame 2 is adjacent to image frame 3, and so on. To temporally smooth the contours in time, the signal processor 116 may use the median filter to filter the D_{1A} values in Table 1 for image frames 1, 2 and 3, then store the filtered value in Table 2 for image frame 2. Alternatively, more than three consecutive contours may be filtered. In one embodiment, the signal processor 116 may use the value D_{1AVE} in Table 2 for image frame 2, and filter it with the D_{1A} values in Table 1 for image frames 3 and 4, and so on. Alternatively, instead of using a median filter, other non-linear or linear filters such as average filter may be used.